PATENT COOPERATION TREATY

From the ' INTERNATIONAL SEA	RCHING AUT	HORITY			REO'D	N 8 AE	R 2005
To: BRUCE D. JOBSE			PCT	WIPO	- 6 WI	POT.	
	KUDIRKA & JOBSE, LLP ONE STATE STREET, SUITE 800						ron.
BOSTON, MA 02109		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY					
				(PCT Rule 43bis	.1)		
			Date of mailing	0 6 APR 200	15		
Applicant's or agent's	file reference		FOR FURTHER	ACTION			_
S0031/7000WO			See paragraph 2 below				
International applicatio	n No.	International filing date	(day/month/year)	Priority date (day/me	onth/year)		\neg
PCT/US04/29139		08 September 2004 (08.	3.09.2004) 09 September 2003 (09.09.2003)				
	ssification (IPC)	or both national classifica		1-1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		-/	
IPC(7): H04J 3/16, 3/2	2. 3/24 and US	CL: 370/466,474					
Applicant							
SONUS NETWORKS,	INC.						
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1. This opinion conta	ins indications re	lating to the following iter	ns:				
Box No. I	Basis of th	e opinion					
Box No. II	Priority						
Box No. III	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Box No. IV	Lack of un	Lack of unity of invention					
Box No. V		Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. V	Certain do	cuments cited					
Box No. V	Box No. VII Certain defects in the international application					- 1	
Box No. V	III Certain ob	servations on the internation	onal application				
2. FURTHER ACT	TION						
International Preli Authority other tha	minary Examini un this one to be	ninary examination is maing Authority ("IPEA") e the IPEA and the chosen tional Searching Authority	xcept that this does IPEA has notified th	not apply where the e International Bureau	applicant	chooses	an
IPEA a written re	ply together, wi CT/ISA/220 or b	re, considered to be a writere appropriate, with an efore the expiration of 22 (ISA/220.	nendments, before th	ne expiration of 3 mo	nths from	the date	he of
3. For further details,	see notes to For	m PCT/ISA/220.					
Name and mailing addr	ess of the ISA/ L	IS ·	Authorized office	0	10		
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Commissioner P.O. Box 1450				1000	190	-)	
Alexandria, Vi Facsimile No. (703) 30	ginia 22313-1450 5-3230		Telephone No. 5	71-272-3144		1	- -
Form PCT/ISA/237 (cov	er sheet) (Januar	v 2004)					

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

		_
International	application	No.

Box N	o. I Basis of this opinion
1. With it was	repard to the language, this opinion has been established on the basis of the international application in the language in which filled, unless otherwise indicated under this ltem. This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(0)).
2. With claims	regard to any nucleotide and/or annino acid sequence disclosed in the international application and necessary to the dinvention, this opinion has been established on the basis of:
a.	type of material a sequence listing table(o) related to the sequence listing
b.	format of material in written format in computer readable form
c.	time of filing/furnishing contained in international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search.
з. 🔲	In addition, in the case that more than one vernion or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
I. Additi	onal comments:

Form PCT/ISA/237(Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/29139

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

аррис	abuity; citations and expi	anations supp	orting such statement	
Statement				
Novelty	(N)	Claims	1-41	YES
		Claims	NONE	NO
Inventiv	e step (IS)	Claims	1-41	YES
		Claims	NONE	NO
Industri	al applicability (IA)	Claims	1-41	YES
Modeli	an approaching (111)	Claims		NO

2. Citations and explanations:

1.

Claims 1-14 and 16-18 the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest constructing a data papeler in memory, the data packet insuding at least one synchronization rate identifying the synchronization interval, a plurality of subpackets, and the respective memory context information associated with each of the subpackets in combination with other limitations are forth; in the respective claims.

Claim 15 the criteria set our in PCT Article 33(2)-(4), because the prior ant does not bash or fulry suggest constructing a data packet from a plurally or dispulacies each derived from one of the synchronous servical data streams and a respective memory contaxt associated with each subpacket and routing the packet through the asynchronous switch to one of the asynchronous network interface and the synchronous servork interface in combination with other limitations set forth in the respective claim.

Claims 19 and 20 the criteria set our in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest extracting the subspackes for most peaker after the problem of the subspackers by apultarily of buffers, each of the buffers associated with a destination time side, the arrangement of subspackers within the buffers being determined by the first synchronization interval during which the subspacker was generated plus a fracted deley offert in combination with other limitations set forth in the respective claims.

Claims 21-33 the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest reconverting or reformatting the subpackets into synchronous data streams during a second synchronization interval having a fixed delay offset relation to the first synchronization interval in orbination with other limitations set forth in the respective claims.

Claims 34-40 the criteria set out in PCT Article 32(2)-(4), because the prior art does not teach or fairly suggest a source of synchronous close signals coupled to each of the circuit server modules, the synchronous close signals coupling to apunally of synchronization intervals, wherein the circuit server modules perform synchronous time site switching of synchronous data across the asynchronous switch in combination with other limitations set front in the respective claims.

Claim 4.1 the criteria set out in PCT Article 38(2)-(4), because the prior ant does not teach or fairly suggest data structure comprising a plurality of subjected associated with a convoci time fact and containing parallel data derived form a synchronous serial data stream, each subjected constructed during a common synchronization interval laving a synchronization tag in combination with other limitations set from the fact late.